
Meridian 1

Software Input/Output Guide

X11 Maintenance

Document Number: 553-3001-511
Document Release: Standard 4.00
Date: October 1997

© 1995, 1997
All rights reserved

Printed in Canada

Information is subject to change without notice. Northern Telecom reserves the right to make changes in design or components as progress in engineering and manufacturing may warrant. This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC rules, and the radio interference regulations of Industry Canada. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

SL-1 and Meridian 1 are trademarks of Northern Telecom.

Revision history

October 1997

Standard 4.00. This document is up-issued to include updates and changes required for X11 Release 23.0x.

August 1996

Standard 3.00. This document is up-issued to include updates and changes required for X11 Release 22.0x.

December 1995

Standard 2.00. This document is up-issued to include updates and changes required for X11 Release 21.1x.

July 1995

Standard 1.00. This document is issued to include updates and changes required for X11 Release 21.0x. This document has the new NTP number 553-3001-511 and replaces NTP 553-2301-511.

Tell us what you think...

This is your document. Nortel wants it to work well for you.

Please take a few minutes to answer the questions on the other side of this page. Fax it back to us at the number provided, or mail it to the address below.

Your comments will be used to make improvements.

Thank you. We appreciate your time and consideration.

Nortel Product Training and Documentation

Return mail address:

Documentation User Comments Survey
Nortel Product Training & Documentation
P.O. Box 833858
m/s H300
Richardson, Texas 75083-3858
USA

Fax to:

Documentation User Comments Survey
Nortel Product Training and Documentation
1-972-684-8699

Document name _____

Document NTP or P0 number (if available) _____

Please circle the most appropriate number on the scale for each question.

1. Overall, are you satisfied with this document?
Yes 7 6 5 4 3 2 1 No
2. Is it easy to find information in this document?
Yes 7 6 5 4 3 2 1 No
3. Have you found the information in this document to be technically accurate?
Yes 7 6 5 4 3 2 1 No
4. Is this document clearly written?
Yes 7 6 5 4 3 2 1 No
5. Is the information in this document complete for its purpose?
Yes 7 6 5 4 3 2 1 No
6. Does this document help you do your job?
Yes 7 6 5 4 3 2 1 No

Comments:

Optional: Your name _____ Fax _____
Company _____

Contents

General	1
Format of 553-3001-511	2
Notational conventions	4
Related documentation	6
 Communicating with the Meridian 1	 7
Accessing the Meridian 1	8
System memory and disk space	13
System Look up Messages	15
Multi-User Login	15
Maintenance display codes	18
Time and date of fault	18
 Alphabetical List of Packages	 19
 LD 01: Template audit	 29
 LD 30: Network and Signaling Diagnostic	 33
Basic commands	35
Option 11 commands	36
Superloop commands	37
Basic Rate Interface (BRI) commands	38
Option 11 BRI commands	38
Alphabetical list of commands	39

LD 31: Telephone and Attendant Console	
Diagnostic	45
SL-1 and M1109 Telephone test	47
M2009, M2018 and M2112 Telephone test	51
M2006 and M2008 Telephone test	54
M2216, M2016S and M2616 Telephone test	59
M2317 Telephone test	63
QCW-type Attendant Console test	68
M1250 Console test	74
M1250 Console test	76
M1250 Console test in QMT2 mode	82
M2250 Console	88
LD 32: Network and Peripheral Equipment	
Diagnostic	93
Basic commands	96
Basic commands	96
Option 11 commands	98
Superloop commands	99
ISDN BRI MISP commands	100
Option 11 BRI MISP commands	101
ISDN BRI SILC/UILC commands	102
Option 11 BRI SILC/UILC commands	104
ISDN BRI BRSC commands	105
Alphabetical list of commands	106
LD 33: Peripheral Equipment Diagnostic for 1.5 Mb/s	
RPE and Fibre Remote IPE	143
1.5 Mb/s RPE diagnostic	143
Fibre Remote IPE diagnostic	145
Basic commands for 1.5 Mb/s RPE	146

Basic commands for Fibre Remote IPE	147
Alphabetical list of commands	148
LD 34: Tone and Digit Switch and Digitone Receiver Diagnostic.....	157
Basic commands	158
Option 11 commands	159
Extended Tone Detector (XTD) commands	160
Alphabetical list of commands	163
LD 35: Common Equipment Diagnostic.....	171
Basic commands	173
Option 11 commands	175
Alphabetical list of commands	176
LDs 36, 41: Trunk Diagnostic	181
Basic commands (LD 36)	184
Option 11 commands	185
Basic commands (LD 41)	186
Alphabetical list of commands	187
LD 37: Input/Output Diagnostic	191
Basic commands	193
Multipurpose Serial Data Link (MSDL) commands	195
Alphabetical list of commands	196
LD 38: Conference Circuit Diagnostic	199
Basic commands	200
Alphabetical list of commands	201

LD 39: Intergroup Switch and System Clock Generator Diagnostic	205
Basic commands	206
Alphabetical list of commands	207
LDs 40, 42: Call Detail Recording Diagnostic.	209
Basic commands	214
Alphabetical list of commands	215
LD 43: Equipment Datadump	221
Option 11 ROM selection for SYSLOAD	223
Basic commands	224
Option 11/11E commands	225
Option 11C commands	226
Alphabetical list of commands	227
LD 44: Software Audit	231
LD 45: Background Signaling and Switching Diagnostic	233
Using the manual extended continuity (XCON) command	234
Basic commands	238
XCON sub-prompts	239
Alphabetical list of commands	244
Alphabetical list of XCON sub-prompts	246
LD 46: Multifrequency Sender Diagnostic for Automatic Number Identification.	249
Basic commands	250
Alphabetical list of commands	251

LD 48: Link Diagnostic.	253
Basic commands	257
Basic commands	258
ACD High speed and low speed link commands	262
ACD High speed and low speed link monitor commands	262
AML commands	263
AML over Ethernet (ELAN) commands	263
AML/CSL monitor commands	264
Auxiliary Processor Link (APL) commands	266
APL monitor commands	266
CSL commands (X11 Release 17 and earlier)	267
Intercept Computer Update (ICU) commands	268
ISDN BRI monitor commands	269
Multipurpose Serial Data Link (MSDL) commands	270
Single Terminal Access (STA) commands	270
Voice Mailbox Administration (VMBA) commands	271
Alphabetical list of commands	272
LD 51: Intercept Computer Update.	307
Basic commands	307
Alphabetical list of commands	308
LD 53: 2.0 Mb/s Remote Peripheral Equipment Diagnostic.	309
Basic commands	311
Alphabetical list of commands	312
LD 54: Multifrequency Signaling Diagnostic.	317
Basic commands	320
Option 11 commands	321
Alphabetical list of commands	322

LD 60: Digital Trunk Interface and Primary Rate Interface Diagnostic	325
Basic Commands	327
Alphabetical list of commands	331
LD 61: Message Waiting Lamps Reset	343
LD 62: 1.5 Mb/s Remote Peripheral Equipment Local End Diagnostic	345
Basic commands	346
Alphabetical list of commands	347
LD 66: Conversion.	349
LD 75: Digital Trunk Maintenance	351
Basic commands	352
Alphabetical list of commands	353
LD 77: Manual Print.	355
Basic commands	358
Basic commands (Release 15 & later)	359
Option 11 commands	360
Alphabetical list of commands	361
LD 80: Call Trace	369
Originating and terminating information	371
Alphabetical list of Call Trace outputs	375
Basic commands	380
Option 11 commands	381
Alphabetical list of commands	382
LD 92: Automatic Trunk Maintenance	385
Basic commands	386
Alphabetical list of commands	387

LD 96: D-channel Diagnostic.	389
D-channel commands (pre-Release 18)	400
D-channel commands (Release 18 & later)	402
Multipurpose Serial Data Link (MSDL) commands	404
Multipurpose Serial Data Link D-channel commands	404
Alphabetical list of commands	405
 LD 117: Ethernet and Alarm Management	 423
New Command Format	423
New Alarm Management Capability	424
Ethernet and Point-to-Point Protocol	429
How to Configure Ethernet and Point-to-Point Protocol	430
Command and Object Descriptions	433
Alphabetical list of Administration commands	435
Alphabetical list of Maintenance Commands	441
 LD 135: Core Common Equipment Diagnostic . . .	 443
Adding a group to an option 51C/61C/81/81C	445
Removing a group from an option 51C/61C/81/81C	446
Basic Commands	447
Option 11C commands	448
Alphabetical list of commands	449
 LD 137: Core Input/Output Diagnostic	 457
Basic Commands	459
Option 11C Commands	460
Alphabetical list of commands	461
 LD 143: Customer Configuration Backup and Restore	 469
Basic commands	470
Alphabetical list of commands	471
